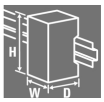
IE-MC-VLT-1TX-1SCS

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image







Industrial Fast Ethernet media converter

- 10/100BaseT(X) auto-negotiation and auto MDI/MDI-X
- Link Fault Pass-Through (LFP)
- Warning in event of power failure and port failure
- Redundant power supply inputs
- -40 to 75 °C operating temperature (T models)
- Designed for explosive-risk areas (Class 1 Div. 2/Atex Zone 2)

General ordering data

Version	Media converter, Fast Ethernet, Number of ports: 1x RJ45, 1 * SC Single-mode, IP30, -40 °C...75 °C
Order No.	1286900000
Type	IE-MC-VLT-1TX-1SCS
GTIN (EAN)	4050118077766
Qty.	1 pc(s).

Creation date November 4, 2021 1:32:17 AM CET

IE-MC-VLT-1TX-1SCS

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Dimensions and weights

Depth	105 mm	Depth (inches)	4.134 inch
Height	135 mm	Height (inches)	5.315 inch
Width	53.6 mm	Width (inches)	2.11 inch
Net weight	765 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...75 °C
Humidity	5 to 95 % (non-condensing)		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1

EMC conformity and approvals

EMC standards	EN 55032, EN 55024, CISPR 32, FCC Part 15 Subpart B Class A, IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz bis 1 Ghz: 3 V/m, IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV, IEC 61000-4-5 Surge: Power: 1 kV; Signal: 1 kV, IEC 61000-4-6 CS: 3 V/m, IEC 61000-4-8, IEC 61000-4-11	Explosive risk zone	UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2 Ex nA nC IIC T4 Gc
Free fall	According to IEC 60068-2-32	Safety standard	UL508, UL 60950-1, EN 60950-1
Ship use	DNV-GL	Shock	according to IEC 60068-2-27
Vibration	according to IEC 60068-2-6		

Environmental conditions

Humidity	5 to 95 % (non-condensing)	Operating temperature, max.	75 °C
Operating temperature, min.	-40 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

Fibre optic transceiver characteristics

Transmission rate	100 Mbps
Transceiver type	Singlemode
Connector type	SC-Duplex
Transmission distance, typ.	40 km

IE-MC-VLT-1TX-1SCS

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Wavelength	typ.	1,310 nm
	Wavelength	TX
	min.	1,280 nm
	max.	1,340 nm
	Wavelength	RX
	min.	1,100 nm
	max.	1,600 nm
Link-budget	29 dB	
Note	When connecting a single-mode fiber transceiver over a short distance, we recommend using an attenuator to prevent the transceiver from being damaged by excessive optical power.	

Guarantee

Time interval	5 years

Interfaces

Alarm contact	1 relay output with a current capacity of 1 A at 24 V DC	Fibre-optic ports	100BaseFX ports (SC connector), Singlemode
Function DIP switch	100BaseFX full-/half-duplex mode, Port surveillance	LED indicator	PWR1, PWR2, FAULT, 10/100M (TP-Port), 100M (fibre-optic port)., FDX/COL (Fibre port)
Number of ports	1x RJ45, 1 * SC Single-mode	RJ45 ports	10/100BaseT(X)

MTBF

MTBF	According to Standard	MIL-HDBK-217F, GB 25°C
	Operating time (hours), min.	401,000 h

Power supply

Connection type	1 removable 6-pin terminal block	
Current consumption	Voltage	12 V DC
	Current	0.32 A
	Voltage	24 V DC
	Current	0.16 A
Overload current protection	1.1 A	
Reverse polarity protection	Available	
Voltage supply	24 V DC, 2 redundant inputs	
Voltage supply range	Voltage type	DC
	Voltage, min.	12 V
	Voltage, max.	45 V

Technical data

Housing main material	metal	Protection degree	IP30
Speed	Fast Ethernet	Type of mounting	DIN rail, Panel (with optional mounting kit)

Technology

Standard	IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) and 100BaseFX

IE-MC-VLT-1TX-1SCS

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Classifications

ETIM 6.0	EC001467	ETIM 7.0	EC001467
ETIM 8.0	EC001467	ECLASS 9.0	19-17-01-14
ECLASS 9.1	19-17-01-14	ECLASS 10.0	19-17-01-32
ECLASS 11.0	19-17-01-32		

Approvals

Approvals	
ROHS	Conform
UL File Number Search	E230683

Downloads

Approval/Certificate/Document of Conformity	DNV-GL certificate ATEX certificate KC certificate EU Declaration of Conformity
Engineering Data	STEP
User Documentation	Hardware Installation Guide
Catalogues	Catalogues in PDF-format
Brochures	